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(54) **METHOD AND DEVICE FOR COMPACTING OF CERAMIC COMPACT BODY**

metal is applied to the ceramic compact body M in compacting.

(57) Abstract:

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PROBLEM TO BE SOLVED: To obtain a ceramic compact body uniformly impregnated with molten metal without causing unnecessary deformation to a compact body under the low tempt. and the low pressure.

SOLUTION: In a compacting method for a ceramic compact body M to obtain a metal matrix composite material with impregnating the molten metal under pressure into a molded body M made of a reinforcing material, when a moving part 12 arranged through a plunger of a hydraulic cylinder 10 in a die is forwarded and the molten metal is impregnated with applying pressure to the ceramic compact body, the vibrating pressure pattern in which the number of vibration and amplitude are fixed with time or are varied with time, is set beforehand and is given to a working fluid applied to the hydraulic cylinder 10. Further, an average value of the vibrating pressure in the vibrating pressure pattern is set to a fixed low pressure and the vibrating pressure is subjected to feed back control, after the impregnation of the molten metal to the ceramic compact body is completed, the high pressure to compensate solidification and shrinkage of the molten

